PATENT
Docket No. 204372000320

CERTIFICATE OF FACSIMILE TRANSMISSION

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Nancy J. Robins

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Lynn E. Spitler et al.

Serial No.: 08/288,057

Filing Date: 10 August 1994

For: PROSTATIC CANCER VACCINE

Examiner: P. Gambel

Group Art Unit: 1816

DECLARATION OF JEAN CLAUDE BYSTRYN, MD PURSUANT TO 37 C.F.R § 1.132

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I, Jean Claude Bystryn, MD, declare as follows:

1. I am a member of the Department of Dermatology at the New York University Medical Center. A copy of my *Curriculum Vitae* is attached hereto as Exhibit A. I have no association or connection with Jenner Technologies, the assignee herein.

2. I have reviewed the Declaration Under 37 C.F.R. 1.132 prepared by Dr. Lynn E. Spitler describing the results of a clinical study directed to the use of prostate specific antigen (PSA) as an active ingredient in an antiprostate cancer vaccine. I am also familiar with the study itself, and with the results that were obtained.

3. The purpose of the study was to obtain evidence that the vaccines would raise a sufficient cellular immune response to have a beneficial effect with respect to prostate tumors. Such a result could be shown directly by measuring cytotoxic lymphocyte (CTL) generation; however, I am aware that this was not possible in these studies because the assay was not satisfactory because of the lack of an appropriate target cell for the assay.

4. The responses measured are understood in the art to be satisfactory substitutes for measuring CTLs. Thus, the proliferation of lymphocytes from two of the patients in response to contact with PSA or in response to peptides representing putative PSA epitopes is indicative of an appropriate cellular immune response. The ability of PSA or PSA derived peptides to stimulate cytokine production -- i.e., gamma interferon and IL-4 production -- from lymphocytes in these patients also indicates that the cellular response is obtained specifically with respect to PSA. The observation of the development of a positive skin test response to PSA in one patient is also consistent with these observations showing the development of cell-mediated immunity in the patients.

5. In my opinion, the results obtained in this clinical study provide evidence that the vaccines are likely to be effective in exerting a beneficial effect on patients with prostate tumors or at risk for prostate tumors.

6. The efficacy shown for the vaccine tested in the foregoing clinical studies further provides evidence that analogous vaccines based on host tissue antigen, such as prostate specific membrane antigen (PSMA) and prostate acid phosphatase (PAP) would behave in a similar manner. It is also known that if the entire antigen is effective as a vaccine, portions of the antigen may be effective as well, especially if manipulated by art-known methods to enhance their immunogenicity, such as by coupling them to carrier.

7. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

October 10, 1996

Jean Claude Bystryn, MD

10/30/96

CURRICULUM VITAE

JEAN-CLAUDE BYSTRYN, M.D.

DATE OF BIRTH: May 8, 1938 **PLACE OF BIRTH:** Paris, France (U.S. Citizen)

EDUCATION:

1958 B.S. University of Chicago (biochemistry), Special honors in the natural sciences
1962 M.D. New York University School of Medicine, New York, NY

POST-GRADUATE TRAINING:

1962-1963 Intern (mixed), Montefiore Hospital, New York, NY
1963-1964 Residency (medicine), Montefiore Hospital, New York, NY
1966-1969 Residency (dermatology), NYU School of Medicine, New York, NY
1968-1969 USPH post-doctoral research fellow (vascular physiology), Laboratory of Dr. Chester Hyman, Dept. of Physiology and Dermatology, University of Southern California, Los Angeles, CA
1969-1972 USPH post-doctoral research fellow (immunology), Laboratory of Dr. Jonathan Uhr, Dept. of Medicine, NYU School of Medicine, New York, NY

MEDICAL LICENSURE:

1963 State of New York
1964 State of California

BOARD CERTIFICATION:

1970 American Board of Dermatology
1986 American Board of Immunodermatopathology

MILITARY EXPERIENCE:

1964-1966 USPHS Heart Disease Control Officer, Albany, NY

HOSPITAL AND TEACHING APPOINTMENTS:

1969- Assistant Visiting Dermatologist, Bellevue Hospital Center, New York
1969- Assistant Attending, University Hospital, NYU School of Medicine, New York
1970-1971 Instructor, Dept. of Dermatology, NYU School of Medicine, New York
1970-1997 Associate Attending, Depts. of Dermatology and Syphilology, Bellevue Hospital Center, New York
1971-1972 Assistant Professor of Clinical Dermatology, Dept. of Dermatology, NYU School of Medicine, New York
1972-1976 Assistant Professor, Dept. of Dermatology, NYU School of Medicine, New York
1972- Director, Immunofluorescence Laboratory, Dept. of Dermatology, NYU School of Medicine, New York
1974- Co-Director, Bullous Disease Clinic, Skin and Cancer Unit, NYU School of Medicine, New York
1976-1984 Associate Professor, Dept. of Dermatology, NYU School of Medicine, New York
1982- Director, Melanoma Immunotherapy Clinic, Skin and Cancer Unit, NYU Medical Center, New York
1983-1992 Executive Committee, Kaplan Cancer Center, NYU Medical Center, New York
1983- Director, Melanoma Program, Kaplan Cancer Center, NYU Medical Center, New York
1984- Professor, Dept. of Dermatology, NYU School of Medicine, New York

Exhibit A

HONORS AND AWARDS:

1954	Ford Foundation Fellowship for early entrance to college
1968	Husik Prize in Dermatology, NYU School of Medicine
1979	Irma T. Hirschl Career Scientist Award
1985	Skin Cancer Foundation Annual Award
1987	Philippine Society of Dermatology, Honorary Member
1990	AOA
1990	Society Francaise de Dermatologie, Honorary Member
1991	The Hellenic Society of Dermatology, Honorary Member

CHAIRMAN OF SYMPOSIA/WORKSHOPS AT NATIONAL AND INTERNATIONAL CONFERENCES:

1982	Int'l Symposium on Stratum Corneum, Cardiff
1982	Fifth Southeast Asian Conference on Dermatology, Manila
1982	XVIth Int'l Congress on Dermatology, Tokyo
1983	Joint Annual Meeting of the Society of Investigative Dermatology and European Society for Dermatologic Research, Washington, DC
1983	First World Congress on Cancers of the Skin, New York
1983	XIIth Int'l Pigment Cell Conference
1985	Second World Congress on Cancer of the Skin, New York
1985	Joint International Meeting of the SID and JCID, Washington, DC
1987	XVIIth International Congress of Dermatology, Berlin
1989	Second International Conference on Melanoma, Venice
1990	NIH Research Workshop on Alopecia Areata, Organizer
1992	XVIIIth International Congress of Dermatology, New York
1993	Third International Conference on Melanoma, Venice
1993	New York Academy of Sciences Conference on "Specific Immunotherapy of Cancer with Vaccines," Washington, D.C., Conference Chair
1994	International Symposium "Skin Therapy Update '94," Crete, Co-Chairman
1995	Sixth World Congress of Cancers of the Skin, Buenos Aires, Chairperson of Plenary Session on Basic Science
1996	International Conference for Apheresis 1996, Kyoto, Chair

PROFESSIONAL SOCIETIES:

Society Francaise de Dermatologie, Honorary Member
Philippine Society of Dermatology, Honorary Member
American Academy of Dermatology
American Dermatological Association
American Association of Immunologists
American Association for Cancer Research
Society for Investigative Dermatology
American Society for Cell Biology
International Society for Tropical Dermatology
American Federation for Clinical Research
New York Dermatological Society
Dermatology Foundation
International Pigment Cell Society
PANAMERICAN Society for Pigment Cell Research
International Society for Vaccines
Clinical Immunology Society
Society for Biological Therapy

ASSIGNMENTS IN PROFESSIONAL SOCIETIES OR MEDICAL JOURNALS:

1975-1978	Mycosis Fungoides Cooperative Group, Chairman, Immunotherapy Panel
1980-1982	Dystrophic Epidermolysic Bullosa Foundation, Board of Medical Advisors
1980-	Skin Cancer Foundation, Board of Medical Advisors and Chairman Grant Review Committee
1981-1990	American Academy of Dermatology, Task Force on Immunopathology
1986-1987	New York Dermatological Society, Secretary
1987-1988	New York Dermatological Society, President
1983-	National Alopecia Areata Foundation, Medical Advisory Board
1987-	Molecular Therapeutic, Editorial Board
1990-	Vaccine Research, Editorial Board
1992-1996	Journal of the European Academy of Dermatology and Venereology, Editorial Board
1993-	Society for Investigative Dermatology, Committee for Industrial Sponsorship
1993-	American Dermatological Association, Membership Committee
1993-	National Vitiligo Foundation, Medical Advisory Board
1994-	American Academy of Dermatology, Commission on Melanoma
1994-	American Board of Dermatology, Training Program in Clinical and Laboratory Dermatological Immunology Review Committee
1994-	American Board of Dermatology, Recertification Committee
1995-	American Skin Association, Medical/Scientific/Policy Advisory Committee
1996	NIH Ad Hoc Reviewer, Biological Response Modifier Program
1996-2000	American Academy of Dermatology, Manpower Committee

PUBLICATIONS

1. **BYSTRYN J-C**, HYMAN C. Skin blood flow in atopic dermatitis. J Invest Derm 52:189, 1969.

2. **BYSTRYN J-C**, FREEDMAN RI, HYMAN C. Clearance of iodoantipyrene from Mecholyl blanched skin in atopics. Arch Derm 100:165, 1969.

3. LEVAN NE, **BYSTRYN J-C**, HYMAN C. Temperature and blood flow in macules of lepromatous leprosy. Int J Leprosy 37:249, 1969.

4. **BYSTRYN J-C**, GRAF MW, UHR JW. Regulation of antibody formation by serum antibody. II. Removal of specific antibody by means of exchange transfusion. J Exp Med 132:1279, 1970.

5. UHR JW, **BYSTRYN J-C**, GRAF MW. The regulation of antibody formation. In: Morphological and Fundamental Aspects of Immunity, ed. by Lindahl-Kiessling, Alm and Hanna; Plennum Press, New York, 1971, pp 395.

6. **BYSTRYN J-C**, FELLNER M. Erythema multiforme. In: Immunological Diseases, 2nd edition, ed. by Samter; Little, Brown and Co., Boston, MA, 1971.

7. SCHENKEIN I, **BYSTRYN J-C**, UHR JW. Specific removal of in vivo antibody by extracorporeal circulation of an immunoabsorbent in gel. J Clin Invest 50:1864, 1971.

8. **BYSTRYN J-C**, SCHENKEIN I, UHR JW. A model for the regulation of antibody synthesis by serum antibody. In: Progress in Immunology, vol. 1, ed. by B Amos; Academic Press, New York, 1971, pp 627.

9. **BYSTRYN J-C**. Drug fever. Am J Med Science 264:467, 1972.

10. **BYSTRYN J-C**, BART RS, LIVINGSTON P, KOPF AW. Immunity to murine melanoma. J Invest Derm 60:249, 1973.

11. **BYSTRYN J-C**, SISKIND GW, UHR JW. Binding of antigen by immunocytes 1. Effect of ligand valency on binding affinity of MOPC 315 cells for DNP-conjugates. J Exp Med 137:301, 1973.

12. **BYSTRYN J-C**, ABEL E, WEIDMAN A. Antibodies against the cytoplasm of human epidermal cells. Arch Derm 108:241-244, 1973.

13. UHR JW, SCHENKEIN I, **BYSTRYN J-C**. Immunoregulation. In: Specific Receptors of Antibodies, Antigens, and Cells. (Third Int'l Convocation of Immunology, Buffalo, NY) S. Karger, Basel, 1973, pp 397.

14. **BYSTRYN J-C**, SCHENKEIN I, UHR JW. Double antibody radioimmunoassay for tumor antibodies. J Natl Cancer Inst 52:911-915, 1974.

15. **BYSTRYN J-C**, SCHENKEIN I, BAUR S, UHR JW. Partial isolation and characterization of antigen(s) associated with murine melanoma. J Natl Cancer Inst 52:1263-1269, 1974.

16. **BYSTRYN J-C**, BART RS, LIVINGSTON P, KOPF AW. Growth and immunogenicity of B16 murine melanoma. J Invest Derm 63:369-373, 1974.

17. **BYSTRYN J-C**, ABEL E, DEFEO C. Pemphigus foliaceus: subcorneal intercellular antibodies of unique specificity. Arch Derm 110:857-862, 1974.

18. ROBINS DN, DEFEO C, **BYSTRYN J-C**. Hepatotoxicity of azathioprine. Cutis 14:600, 1974.

19. **BYSTRYN J-C**, SISKIND GW, UHR JW. Binding of antigen by immunocytes. II. Effect of specific Ig on binding of antigen by MOPC 315 cells. J Exp Med 141:1227, 1975.

20. **BYSTRYN J-C**. Nature of antigens associated with murine melanoma. In: Pigment Cell, ed. by V Riley, S Karger, Basel, 2:158, 1976.

21. ABEL EA, **BYSTRYN J-C**. Epidermal cytoplasmic antibodies: incidence and type in normal persons and patients with melanoma. J Invest Derm 66:44-48, 1976.

22. ABEL EA, **BYSTRYN J-C**. Reproducibility of the immunofluorescent test for antimelanoma antibodies. J Invest Derm 66:117, 1976.

23. **BYSTRYN J-C**. Release of tumor associated antigens by murine melanoma cells. J Immunol 116:1302, 1976.

24. **BYSTRYN J-C**. Epidermal antigens. Int J Derm 16:645-656, 1977.

25. **BYSTRYN J-C**, RODRIGUEZ J. Pemphigus foliaceus associated with absence of intercellular antigens in the lower layers of the epidermis. Arch Derm 113:1696, 1978.

26. **BYSTRYN J-C**. Clinical significance of basal cell layer antibodies. Arch Derm 113:1380-1382, 1977.

27. **BYSTRYN J-C**. Release of cell-surface tumor-associated antigens by viable human melanoma cells. J Natl Cancer Inst 59:325, 1977.

28. **BYSTRYN J-C**, SMALLEY JR. Identification and solubilization of iodinated cell-surface human melanoma associated antigens. Int J Cancer 20:165, 1977.

29. **BYSTRYN J-C**, NASH M, ROBINS P. Epidermal cytoplasmic antigens: II. concurrent presence of antigens of different specificities in normal human skin. J Invest Derm 71:110-113, 1978.

30. **BYSTRYN J-C**, RODRIGUEZ J. Absence of intercellular antigens in the deep layers of the epidermis in pemphigus foliaceus. J Clin Invest 61:339-348, 1978.

31. **BYSTRYN J-C**. Antibody response and tumor growth in syngeneic mice immunized to partially purified B16 melanoma associated antigens. J Immunol 120:96-101, 1978.

32. LIM HW, **BYSTRYN J-C**. Bullous disease. Clin Obst & Gynecol 21:1007, 1978.

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37. **BYSTRYN J-C**, ORENTREICH N, STENGEL F. Direct immunofluorescence studies in alopecia areata and male pattern alopecia. J Invest Derm 73:317, 1979.

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39. **BYSTRYN J-C**. Immunofluorescence studies in transient acantholytic dermatosis. Am J Dermatopath 1:325-327, 1979.

40. BHAVANADAN VP, KEMPER J, **BYSTRYN J-C**. Purification and partial characterization of a murine melanoma-associated antigen. J Biol Chem 255:5145-5143, 1980.

41. **BYSTRYN J-C**. The immunology of human malignant melanoma. Int J Derm 19:375-378, 1980.

42. ENG K, RUOFF J, **BYSTRYN J-C**. Behcet's syndrome: an unusual cause of colonic ulceration and perforation. Am J Gastroenterology 75:57-59, 1981.

43. **BYSTRYN J-C**, TEDHOLM CA, HEANEY-KERAS J. Release of surface macromolecules by human melanoma and normal cells. Cancer Res 41:910-914, 1981.

44. NORDLUND J, HOWANITZ N, **BYSTRYN J-C**, FORGET BM, LERNER A. Antipigment cell factors and mucocutaneous candidiasis. Arch Derm 117:210-212, 1981.

45. WOLF D, **BYSTRYN J-C**. Alterations in antigenic properties of normal epidermis adjacent to cutaneous malignancies. J Invest Derm 76:442-444, 1981.

46. FAURE M, EISINGER M, **BYSTRYN J-C**. Decreased expression of epidermal cytoplasmic antigens in cultured human keratinocytes. J Invest Derm 76:347-351, 1981.

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49. **BYSTRYN J-C**, HOWANITZ N, NORDLUND JJ, LERNER AB. Antibodies to melanocytes in patients with vitiligo. In: Pigment Cell 1981, Phenotypic Expression in Pigment Cells, ed. by M Seiji; University of Tokyo Press, Tokyo, pp 483-488, 1981.

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51. **BYSTRYN J-C**. Skin tumor markers. In: Human Cancer Markers, ed. by S Sell and B Wahren; Humana Press, Clifton, NJ 2:89-104, 1982.

52. **BYSTRYN J-C**, PERLSTEIN J. Autocatabolism of surface macromolecules shed by human melanoma cells. Cancer Res 42:2232-2237, 1982.

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54. HEANEY-KIERAS J, **BYSTRYN J-C**. Identification and purification of a 75k dalton cell-surface human melanoma associated antigen. Cancer Res 42:2310-2319, 1982.

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56. **BYSTRYN J-C**. Shedding and degradation of cell-surface macromolecules and tumor associated antigens by human melanoma. In: Melanoma Antigens and Antibodies, ed. by RA Reisfeld and S Ferrone; Plenum Press, New York, pp 37-52, 1982.

57. ZHU X-J, **BYSTRYN J-C**. Heterogeneity of pemphigoid antigens. J Invest Derm 80:16-20, 1983.

58. **BYSTRYN J-C**. Natural stratum corneum antibodies and antigens. In: Stratum Corneum, ed. by R Marks and G Plewig; Springer-Verlag, Berlin, pp 112-128, 1983.

59. NAUGHTON GK, EISINGER M, **BYSTRYN J-C**. Antibodies to normal human melanocytes in vitiligo. J Exp Med 158:246-251, 1983.

60. JACOBS M, SCHNED ES, **BYSTRYN J-C**. Variability of the lupus band test: results in 18 patients with systemic lupus erythematosus. Arch Derm 119:883-889, 1983.

61. MEDINA AL, ROBBINS TD, **BYSTRYN J-C.**, ACKERMAN AB. Limitations in the diagnosis of vesiculo-bullous diseases. Am J Dermatopath 5(1):7-11, 1983.

62. NAUGHTON GK, EISINGER M, **BYSTRYN J-C**. Detection of antibodies to melanocytes in vitiligo by specific immunoprecipitation. J Invest Derm 81:540-542, 1983.

63. GOLDBERG D, SABOLINSKI M, BYSTRYN J-C. Regional variations in the expression of bullous pemphigoid antigen in human skin. J Invest Derm 82:326-328, 1984.

64. JOHNSTON D, **BYSTRYN J-C**. Mechanism of autodegradation of cell surface macromolecules shed by human melanoma cells. Exp Cell Res 152:179-187, 1984.

65. **BYSTRYN J-C**. Adjuvant therapy of pemphigus. Arch Derm 120:941-951, 1984.

66. ZHU X-J, EISINGER M, **BYSTRYN J-C**. Differentiation and shedding of surface macromolecules of human keratinocytes. J Invest Derm 83:340-343, 1984.

67. NAUGHTON GK, LIPKIN G, **BYSTRYN J-C**. Expression of vitiligo antigen on a revertant line of hamster melanoma cells. J Invest Derm 83:317-319, 1984.

68. **BYSTRYN J-C**. Immunology and immunotherapy of human malignant melanoma. Dermatologic Clinics 3:327-334, 1985.

69. JOHNSTON D, **BYSTRYN J-C**. Effect of tunicamycin on release of macromolecules and tumor antigens by human melanoma cells. Cancer Res 45:1772-1777, 1985.

70. GOLDBERG DJ, SABOLINSKI M, **BYSTRYN J-C**. Bullous pemphigoid antibodies. Human skin as a substrate for indirect immunofluorescence assay. Arch Derm 121:1137-1140, 1985.

71. **BYSTRYN J-C**, NAUGHTON GK. The significance of vitiligo antibodies. The Journal of Dermatology 12:1-9, 1985.

72. **BYSTRYN J-C**, BERNSTEIN P, LIU P, VALENTINE F. Immunophenotype of human melanoma cells in different metastases. Cancer Res 45:5603-5607, 1985.

73. LIPKIN G, NAUGHTON GK, ROSENBERG M, **BYSTRYN J-C**. Vitiligo-related pigment cell differentiation antigens are expressed on malignant melanoma cells following phenotypic reversion induced by contact inhibitory factor. Differentiation 30:35-39, 1985.

74. **BYSTRYN J-C**. Interpretation of immunofluorescence tests in dermatology. Progress in Dermatology 19:1-8, 1985.

75. **BYSTRYN J-C**, VALENTINE F, BERNSTEIN P. Tumor antigen heterogeneity and the specific immunotherapy of melanoma. In: Biological Molecular and clinical Aspects of Pigmentation, ed. by J Bagnana, SW Klaus, E Paul and M Schantl; Univ. of Tokyo Press, Tokyo, pp 391-396, 1985.

76. HEANEY-KIERAS J, **BYSTRYN J-C**. Identification and purification of 115kd and 125kd cell-surface human melanoma-associated antigens. J Nat Cancer Inst 77:643-648, 1986.

77. NAUGHTON GK, MAHAFFEY M, **BYSTRYN J-C**. Antibodies to surface antigens of pigmented cells in animals with vitiligo. Proc Soc Exp Biol and Med 181:423-426, 1986.

78. SISON-FONACIER L, **BYSTRYN J-C**. Regional variations in antigenic properties of skin: A possible cause for disease-specific distribution of skin lesions. J Exp Med 164:2125-2130, 1986.

79. **BYSTRYN J-C**, JACOBSEN S, HARRIS M, ROSES D, SPEYER J, LEVIN M. Preparation and characterization of a polyvalent human melanoma antigen vaccine. J Biol Resp Modif 5:211-224, 1986.

80. NAUGHTON GK, REGGIARDO D, **BYSTRYN J-C**. Correlation between vitiligo antibodies and extent of depigmentation in vitiligo. J Am Acad Derm 15:978-981, 1986.

81. **BYSTRYN J-C**, SABOLINSKI M. Effect of substrate on indirect immunofluorescence tests for intercellular and basement membrane zone antibodies. J Am Acad Derm 15:973-977, 1986.

82. **BYSTRYN J-C**, KOLKS-NAUGHTON G, LIPKIN G. Vitiligo antigens: Relation to pigment cell differentiation and melanoma. In: Cutaneous Melanoma Status of Knowledge and Future Perspective, ed. by U Veronesi, N Cascinelli, M Santinami; Academic Press, London pp 191-197, 1987.

83. JOHNSTON DJ, SCHACHNE J, **BYSTRYN J-C**. Identification of immunogenic B16 melanoma-associated antigens. J Biol Resp Modif 6:108-120, 1987.

84. **BYSTRYN J-C**, RIGEL D, FRIEDMAN RJ, KOPF A. The prognostic significance of hypopigmentation in malignant melanoma. Arch of Derm 123:1053-1055, 1987.

85. SISON-FONACIER L, **BYSTRYN J-C**. Heterogenicity of pemphigus vulgaris antigens. Arch Derm 123:1507-1510, 1987.

86. SABOLINSKI ML, BEUTNER EH, KRASNY S, KUMAR V, HUANG J, CHORZELSKI TP, SAMPAIO S, **BYSTRYN J-C**. Substrate specificity of anti-epithelial antibodies of pemphigus vulgaris and pemphigus foliaceus sera in immunofluorescence tests on monkey and guinea pig esophagus sections. J Invest Derm 88:545-9, 1987.

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88. BONFA E, **BYSTRYN J-C**, ELKON KB. Detection of immunoglobulin G antibodies in melanoma sera reactive with intercellular proteins. J Invest Derm 90:207-212, 1988.

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91. NORRIS, DA, KISSINGER RM, NAUGHTON GM, **BYSTRYN J-C**. Evidence for immunologic mechanisms in human vitiligo: Patient's sera induce damage to human melanocytes in vitro by complement-mediated damage and antibody dependent cellular cytotoxicity (ADCC). J Invest Derm 90:783-789, 1988.

92. **BYSTRYN, J-C**. Melanoma antigen vaccine. In: Proceedings of the XVIIth World Congress of Dermatology, ed. by CE Orfanos, R Stadler, and H Gollnick; Springer-Verlag, Berlin pp 881-882, 1988.

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101. **BYSTRYN J-C**. Autoimmune diseases of the skin. Allergy Proceedings 10:6:393-396, 1989.

102. **BYSTRYN J-C**. Serum antibodies in vitiligo patients. Clin in Derm 7:136-145, 1989.

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107. ZHU X-J, NIIMI Y, **BYSTRYN J-C**. Identification of a 160 kD molecule as a component of the basement membrane zone and as a minor bullous pemphigoid antigen. J Invest Derm 94:817-821, 1990.

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